PATENT ABSTRACTS OF JAPAN

(11)Publication number:

11-223830

(43)Date of publication of application: 17.08.1999

(51)Int.CI.

G02F 1/136

(21)Application number: 10-025717

(71)Applicant: TOSHIBA CORP

(22)Date of filing:

06.02.1998

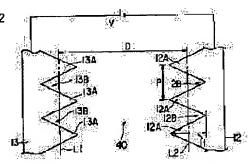
(72)Inventor: YOSHIDA AKIRA

YAMAMOTO TOMIAKI

(54) LIQUID CRYSTAL DISPLAY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a liquid crystal display which has an excellent display performance with an improved for an expanding field angle and and is small in power consumption. SOLUTION: On an array substrate, a pixel electrode 13 and a common electrode 12 are extended along reference lines L1 and L2 separated by a specific distance D, and between the pixel electrode 13 and the common electrode 12, a strong electric field area and a weak electric field area are formed alternately in the extending direction of the electrodes. More in concrete, at least one of the pixel electrode 13 and the common electrode 12 is provided with projection areas 13A and 12A projecting from the reference lines L1 and L2 and recessed areas 13B and 12B which stay back from the reference lines on the sides facing the other electrodes. Thus, the inter-electrode distance between the projection areas and the other electrode becomes narrower than the electrode distance between the recessed areas and the other electrode, so that the electric field strength becomes larger between the electrodes with the projection areas than between the electrodes with the recessed areas.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office